

ABSTRACT

An electrical signal filter is provided, including a first filter housing member and an abutted second filter housing member that define an internal filter cavity. A circuit board positioned within the filter cavity has at least one plated hole passing from a first surface thereof to an opposed second surface thereof. At least one ground post is also provided, extending away from the inner surface of the first filter housing member and having at least a first portion with an outer dimension that is greater than an inner diameter of the at least one plated ground hole. The circuit board is positioned within the filter cavity such that at least a portion of the ground post extends into the plated hole and engages the surface of the plating to achieve secure ground contact between the circuit board and the first filter housing member in a solderless manner.